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4 January 1963

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NUCLEAR ENERGY COMPLEX UNDER CONSTRUCTION

CHIH-CHIN-HSIA, CHINA
4010N - 09725E

1. THIS AREA WAS FIRST OBSERVED ON TALENT [REDACTED] AT WHICH TIME ONLY A FEW FACILITIES WERE EVIDENT IN THE MAIN HOUSING AREA, THE WORKSHOP AREA, THE CLAY PIT AREA, AND SECTION II OF THE PRODUCTION AREA.
2. [REDACTED] IDENTIFIED THE INSTALLATION AS A POSSIBLE NUCLEAR ENERGY COMPLEX UNDER CONSTRUCTION. THE INSTALLATION CONSISTED OF A MAIN HOUSING AREA, A CLAY PIT AREA, A WORKSHOP AREA, A CONSTRUCTION SUPPORT AND STORAGE AREA, A THERMAL POWER PLANT, AND A PRODUCTION AREA WITH THREE SEPARATE SECTIONS. SIGNIFICANT ITEMS OBSERVED IN THE PRODUCTION AREA WERE A 350 FT HIGH STACK IN SECTION II AND A DEEP, MULTI-LEVEL EXCAVATION IN SECTION III. WATER FOR THE COMPLEX APPARENTLY WILL COME FROM A DAM ON THE SU-LO HO (RIVER), 26 NM TO THE WEST, BY MEANS OF AN UNDERGROUND PIPELINE.
3. [REDACTED] IDENTIFIED THE INSTALLATION AS A PROBABLE NUCLEAR ENERGY COMPLEX UNDER CONSTRUCTION.
4. PHOTOGRAPHY SINCE AUG 62, HAS REVEALED A CONTINUED EXPANSION OF THE COMPLEX WITH THE FOLLOWING MAJOR CHANGES OBSERVED IN THE PRODUCTION AREA:

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SECTION I: TWO NEW LARGE BUILDINGS WERE IDENTIFIED INSIDE THE WALLED AREA; 12 NEW HOUSING-TYPE BUILDINGS WERE CONSTRUCTED NORTH OF THE WALLED AREA; A SEPARATELY SECURED TANK (POSSIBLY FOR STORAGE OF HAZARDOUS LIQUIDS) WAS IDENTIFIED NEAR THE SOUTH-EAST CORNER OF THE SECURITY WALL; AND PAVING OF A PERMANENT ROAD PATTERN HAD BEGUN.

SECTION II: A NEW LARGE MONITOR-ROOFED FOUNDRY-TYPE BUILDING HAD BEEN COMPLETED INSIDE THE WALLED AREA; A NEW BUILDING WAS IDENTIFIED UNDER CONSTRUCTION NEAR THE HIGH-BAY BUILDING; NEW CONSTRUCTION ACTIVITY WAS OBSERVED TO THE NORTHEAST; AND PAVING OF A PERMANENT ROAD PATTERN HAD BEGUN.

SECTION III: JUN 64, PHOTOGRAPHY REVEALED A PROBABLE REACTOR BUILDING UNDER CONSTRUCTION IN THE MULTI-LEVEL EXCAVATION, CONSTRUCTION OF THIS BUILDING HAS CONTINUED WITH PHOTOGRAPHY OF SEP 64, REVEALING A HIGH-BAY SECTION UNDER CONSTRUCTION; AN L-SHAPED PROBABLE EXHAUST AND FILTER BUILDING AND AN ASSOCIATED 340 FT HIGH STACK WERE OBSERVED UNDER CONSTRUCTION NORTHEAST OF THE PROBABLE REACTOR BUILD-

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ING; AND TWO NEW EXCAVATIONS WERE IDENTIFIED SOUTH OF THE PROBABLE REACTOR BUILDING.

SECTION IV: A NEW HOUSING AREA WAS CONSTRUCTED APPROXIMATELY 3,000 FT NORTHEAST OF THE ACCESS ROAD TO SECTION I.

5. THIS MISSION CONFIRMS THE SITE AS A NUCLEAR ENERGY COMPLEX UNDER CONSTRUCTION. THE REACTOR BUILDING CAN ALSO BE CONFIRMED. A MARKED SIMILARITY EXISTS BETWEEN THE REACTOR AREA IN SECTION III, AND THE TOMSK (USSR) REACTOR AREA I. BASES FOR AT LEAST FOUR AND POSSIBLY SIX PROBABLE COOLING TOWERS IN A PATTERN SIMILAR TO TOMSK ARE BEING CONSTRUCTED. THE L-SHAPED EXHAUST AND FILTER BUILDING IN SECTION III IS NEARING COMPLETION AND THE ASSOCIATED STACK IS COMPLETED. THE BRANCH RAIL SPUR FROM THE REACTOR AREA HAS BEEN EXTENDED TO AN AREA OF CONSIDERABLE CONSTRUCTION ACTIVITY ABOUT 4,000 FT NORTHEAST OF SECTION II, WHERE LARGE NEW EXCAVATIONS, CONSTRUCTION SUPPORT BUILDINGS, AND TEMPORARY HOUSING ARE EVIDENT. THE TRENCH CONTAINING THE PIPELINE LEADING FROM SECTION II TO THE PROBABLE WASTE DISPOSAL AREA IS BEING FILLED. NO FLOW IS EVIDENT AT THE DISCHARGE POINT 4,800 FT NORTH EAST OF SECTION II, AND SOME SNOW COVERS PART OF THE DOWNSTREAM AREA.
- A NEW UNIDENTIFIED SCAR CONNECTS SECTION I WITH THE POWER PLANT AREA. NO SMOKE IS RISING FROM THE POWER PLANT STACK NOR FROM THE STACKS IN

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SECTION I AND II, AND NO VAPOR IS RISING FROM THE COOLING TOWERS AT THE POWER PLANT.

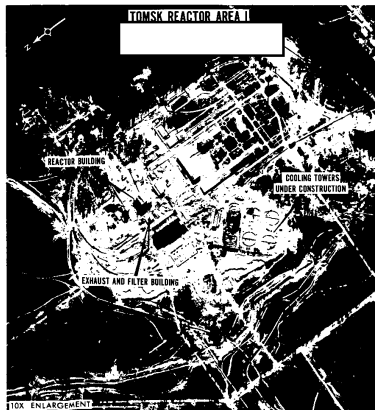
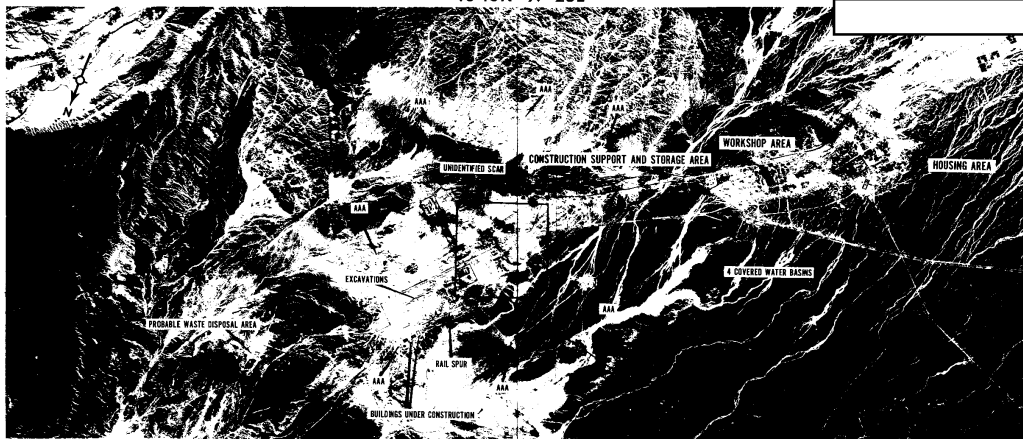
SURROUNDING THE PRODUCTION AREA ARE AT LEAST NINE NEW AAA SITES WITH TWO OF THE SITES STILL UNDER CONSTRUCTION.

NO MAJOR CHANGES ARE OBSERVED AT THE OTHER AREAS OF THE COMPLEX. THERE APPEARS TO BE NO WATER IN THE FILTER BEDS AT THE SU-LO HO DAM, 26 NM TO THE WEST. NEW CONSTRUCTION ACTIVITY IMMEDIATELY UPSTREAM FROM THE DAM IS VISIBLE AND WHAT APPEARS TO BE A TEMPORARY DIVERSION DIKE HAS BEEN BUILT FURTHER UPSTREAM. THE PIPE LINE FROM THE DAM TO THE FILTER BEDS HAS APPARENTLY BEEN EXTENDED TO TAP THE WATER AT THE DIVERSION DIKE.

(COMPARISON BOARD

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 CHIH-CHIN-HSIA, CHINA
 40-10N 97-25E



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